

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Paul et al.

Serial No.: 10/812,858

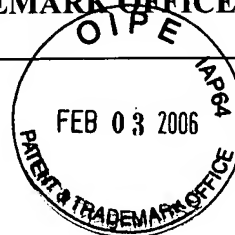
Filed: 3/30/2004

Title: POWER AMPLIFIER CIRCUITRY  
AND METHOD

Attorney Docket No.: SIL.P0075

Group Art Unit:  
2817

Examiner:  
SHINGLETON, MICHAEL B



Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

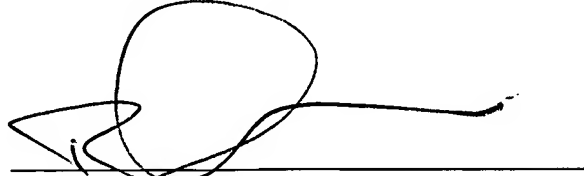
**INFORMATION DISCLOSURE STATEMENT**

This Information Disclosure Statement is submitted:

- ☒ under 37 CFR 1.97(b), or  
(Within three months of filing national application; or date of entry of international application; or before mailing date of first office action on the merits; or before the mailing of a first Office Action after the filing of an RCE; whichever occurs last)
- ☐ under 37 CFR 1.97(c) together with either a:
  - ☐ (1) Certification under 37 CFR 1.97(e), or
  - ☐ (2) a \$180.00 fee under 37 CFR 1.17(p)  
(After the CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97(d) together with a:
  - ☐ Certification under 37 CFR 1.97(e), and
  - ☐ a \$180.00 fee under 37 CFR 1.17(p).  
(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)
- ☐ under 37 CFR 1.97(i)  
(Not filed under either § 1.97 or § 1.98. IDS to be placed in the file)
- ☒ Applicant(s) submit herewith Form PTO 1449-Information Disclosure Citation together with copies, of non-US patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

It is requested that the information disclosed herein be made of record in this application. The inclusion of references in this IDS is not an admission that the references are prior art.

Respectfully submitted,

A handwritten signature in black ink, consisting of a large, stylized loop followed by a horizontal line extending to the right.

Bruce A. Johnson  
Attorney for Applicant(s)  
Reg. No. 37361

Date: <sup>BJ</sup>~~1-31-06~~ 2-1-06

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FORM PTO-1449	ATTY. DOCKET NO.	SIL.P0075	SERIAL NO.	10/812,858
	APPLICANT	Paul et al.		
	FILING DATE	3/30/2004	GROUP	2817

## REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
	4,067,057	1/3/78	Taddeo		
	4,451,802	5/1984	Koinuma		
	4,590,436	5/20/86	Butler		
	4,670,832	6/2/87	Park		
	4,689,819	8/25/87	Killion		
	4,689,819 Exam. certificate	8/13/96	Killion		
	4,691,270	9/1/87	Pruitt		
	4,736,284	4/5/88	Yamagishi		
	5,144,133	9/1992	Dudley et al.		
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	6,300,827	10/2001	King		
	6,355,531	3/2002	Mandelman et al.		
	6,384,540	5/7/02	Porter		

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLAS	TRANSLATION	
						YES	NO

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	Webster's Ninth New Collegiate Dictionary, copyright 1991, pages 384 and 1096, definitions of "drive" and "signal."
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		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLAS	TRANSLATION	
							YES	NO

**OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)**

		Broskie, The Accordion Amplifier -A new single-ended topology, published 2001, Tube Cad Journal.
		Billings, Switchable Power Supply Handbook McGraw-Hill 1999.
		Grant and Gowar, Power MOSFETs Theory and Applications, Wiley 1989.
		Cuk and Middlebrook, Advances in Switch-Mode Power Conversion Vol III, Teslaco 1983.
		Hamill, Class DE Invertors and Rectifiers for DC-DC Conversion, Power Electronics Specialist Conference, June 1996, 8 pp.
		Tomescu, A Unified Approach to Class E versus Quasi-Resonant Switch Topologies, IEEE Transactions on Circuits and Systems - II: Analog and Digital Signal Processing, Vol. 45, No. June 1998, pp. 763- 766.
		Pressman, Switching Power Supply Design, McGraw-Hill 1998, pp. 86, 101, 167, 176-177 and 482.

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	Ballan and Declercq, 12V $\Sigma$ - $\Delta$ Class-D Amplifier in 5V CMOS Technology, IEEE 1995 Custom Integrated Circuits Conference, pp. 559-562.
	Hajimiri and Lee, Design Issues in CMOS Differential LC Oscillators, IEEE Journal of Solid-State Circuits, Vol. 34, No. 5, May 1999, pp. 717- 724.
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	Severns and Bloom, Modern DC-To-DC Switchmode Power Converter Circuits, Van Nostrand Reinhold Company 1985, pp. 128-129.
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